

TECHNICAL DESCRIPTION / APPLICATION

MULTI-MIX[®] FILTERS

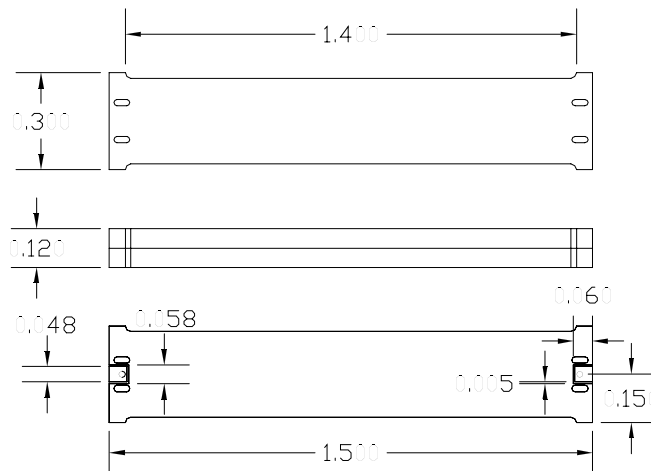
Merrimac's FBGE Series bandpass filters combine the features of Merrimac's patented Multi-Mix[®] multilayer fabrication technology with the ability to operate to three times their center frequency without reentrant spurious passbands. They typically offer better overall performance than filters designed to the same specification with conventional filter fabrication techniques.



GENERAL SPECIFICATIONS

FILTER TYPE	OPERATING PASSBAND (MIN)	PASSBAND INSERTION LOSS (MAX)	REJECTION (dB MIN)	INPUT/OUTPUT VSWR
BANDPASS	10.51-10.63 GHz	5.0 dB	60 dB MIN (0-9.5 GHz) 45 dB MIN (11.5-19 GHz)	1.7:1 (MAX) @ 10.57 ± 0.060 GHz
SIZE (INCHES)	WEIGHT (GRAMS/OZ.)	RF INTERFACE/ CONNECTIONS	OPERATING TEMPERATURE	
1.5 x 0.3 x 0.12	1.9 / 0.1	CPWG	-55° - +95° C	

PACKAGE OUTLINE



NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
2. TOLERANCES: -3 PLACE DECIMALS; ±.005.

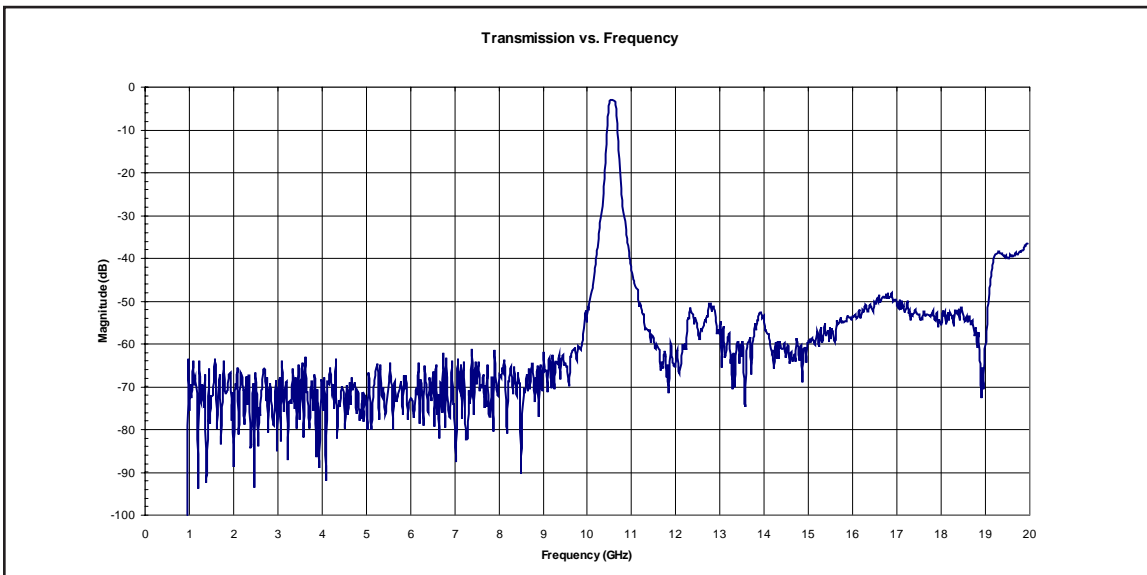
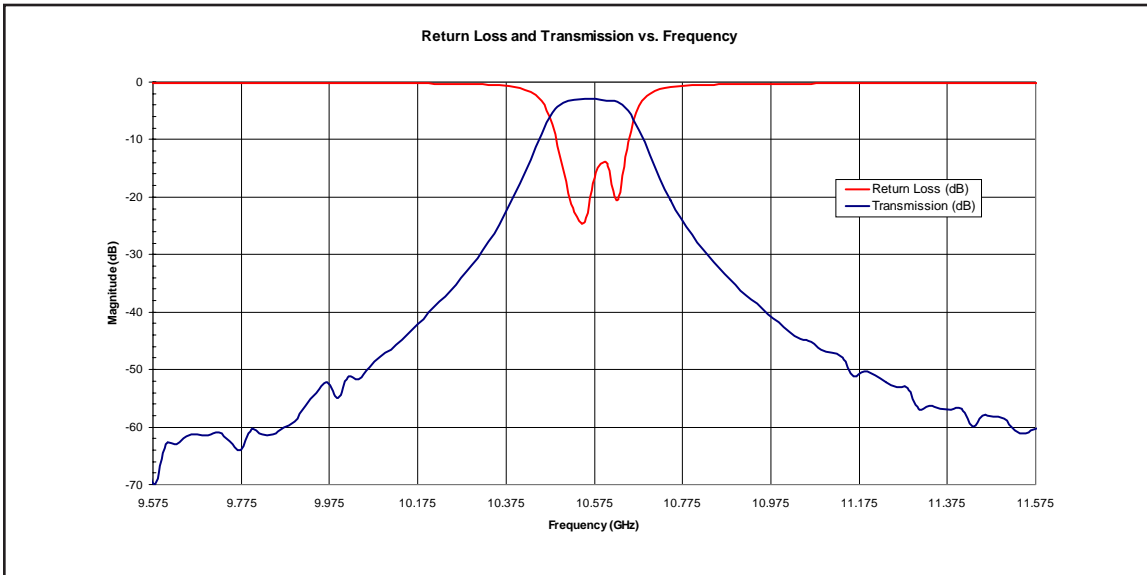
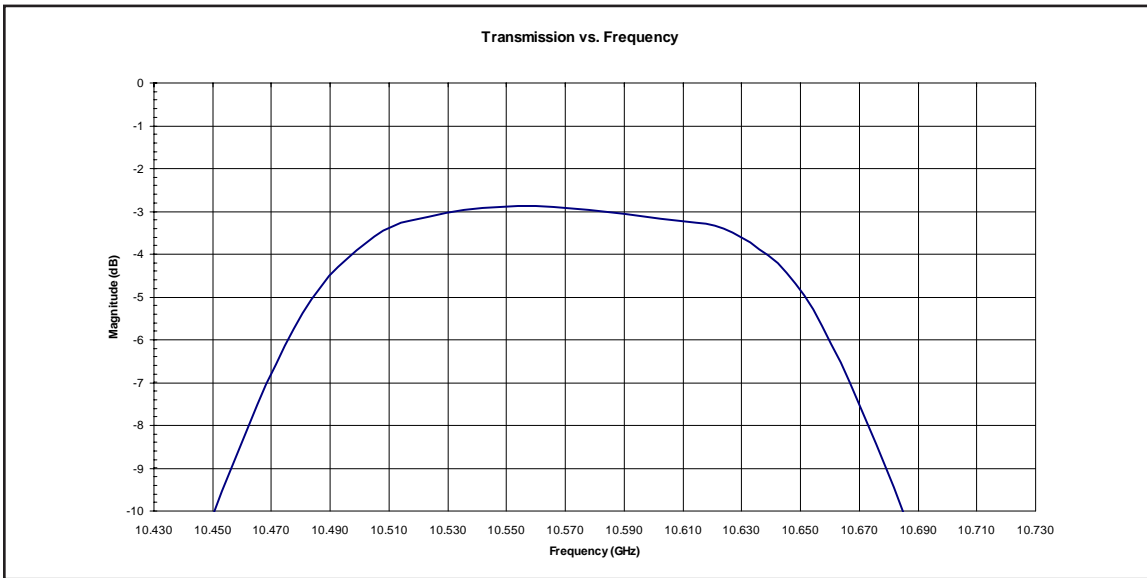
THE MULTI-MIX MICROTECHNOLOGY[®] GROUP IS ISO 9001:2000 REGISTERED



U.S. patent 6,099,677 and other patents pending.

TYPICAL PERFORMANCE

FBGE-10.57G



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